

Title (en)

Method for heating a turbine shaft

Title (de)

Verfahren zur Erwärmung einer Turbinenwelle

Title (fr)

Procédé de chauffage d'un arbre de turbine

Publication

**EP 2396514 A1 20111221 (DE)**

Application

**EP 10702463 A 20100125**

Priority

- EP 2010050800 W 20100125
- EP 09001828 A 20090210
- EP 10702463 A 20100125

Abstract (en)

[origin: EP2216506A1] The method involves heating a turbine shaft (1) by injecting warm water (5) until maximum warm-up speed is reached, where maximum warm-up speed values are between 8 hertz to 25 hertz. The warm water is supplied from a preheating section or a feed pump, where temperature level of the warm water lies between 100 degree Celsius to 350 degree Celsius. An independent claim is also included for a steam turbine comprising a turbine shaft.

IPC 8 full level

**F01D 5/08** (2006.01); **F01D 19/00** (2006.01); **F01D 25/10** (2006.01)

CPC (source: EP US)

**F01D 5/08** (2013.01 - EP US); **F01D 19/00** (2013.01 - EP US); **F01D 25/10** (2013.01 - EP US); **F05D 2220/31** (2013.01 - EP US); **F05D 2260/2322** (2013.01 - EP US); **F05D 2260/85** (2013.01 - EP US)

Citation (search report)

See references of WO 2010091942A1

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DOCDB simple family (publication)

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